

CLAIMS

5 1) A domain name server (DNS), associated with a database, having means to
receive requests ® containing a domain name, and the means to return to the
sender of the said request, a response containing one or more addresses
associated with the said domain name, characterised in that the said address
or addresses are sequenced within the said response by the said domain
10 name server.

2) A domain name server according to claim 1, in which the sequencing is
effected at least as a function of the content of the said request.

15 3) A domain name server according to claim 2, in which the sequencing is in
addition effected as a function of the topology of the network, where the most
local address, used to address both the said sender of the request and the
network element corresponding to the said domain name, is inserted first.

20 4) A domain name server according to claim 3, in which the sequencing is
effected in such a manner that in the case of the presence of an IPv4 cloud
(here N_4) between the said sender of the request and the network element
corresponding to the said domain name, an address of the "6to4" type is
inserted first (here a_{6to4}).